6AF6-G

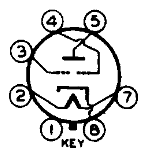
6AF6-G

ELECTRON-RAY TUBE

TWIN-INDICATOR TYPE

Heater	Coated Unipotential Cathode	
Voltage	6.3	a-c or d-c volts
Current	0.15	amp.
Overall Length		2-1/4" {+1/16" −1/4" ←
Seated Height		1-11/16" {+1/16" −1/4 ←
Maximum Diameter		1-5/16"
Bulb		T-9
Base		Intermed. Sh. Octal 7-Pin

Pin 1 – No Connection
Pin 2 – Heater
Pin 3 – Ray-Control Electrode, Unit No. 2
Pin 4 – Ray-Control Electrode, Unit No. 1
Pin 5 – Target
Pin 7 – Heater
Pin 8 – Cathode



BOTTOM VIEW (7AG)

Mounting Position: Any**

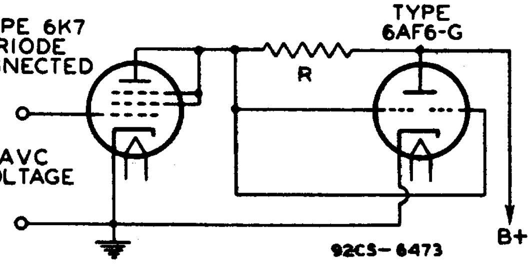
Maximum and Minimum Ratings Are Design-Center Values

INDICATOR SERVICE

Target Voltage		250 max.	volts	←
		125 min.	volts	←
Ray-Control Electrode Supply Voltage		250 max.	volts	←
D-C Heater-Cathode Potential		90 max.	volts	←
Typical Operation:				←
Target Voltage	125	250	volts	
Series Resistor □	0.5	1.0	megohm	
Target Current*	0.65	2.2	ma.	
Ray-Control Electrode Voltage †	80	160	approx. volts	
Ray-Control Electrode Voltage ††	0	0	approx. volts	

** The plane of the ray-control electrodes passes through pins No. 3 and No. 7.
□ Designated R in circuit diagram below.
* With 0 volts on ray-control electrodes. Subject to wide variations.
† For shadow angle of 0° produced by either ray-control electrode.
†† For shadow angle of 95° produced by either ray-control electrode.

TYPICAL CIRCUIT USING TYPE 6AF6-G
WITH RAY-CONTROL ELECTRODES IN PARALLEL



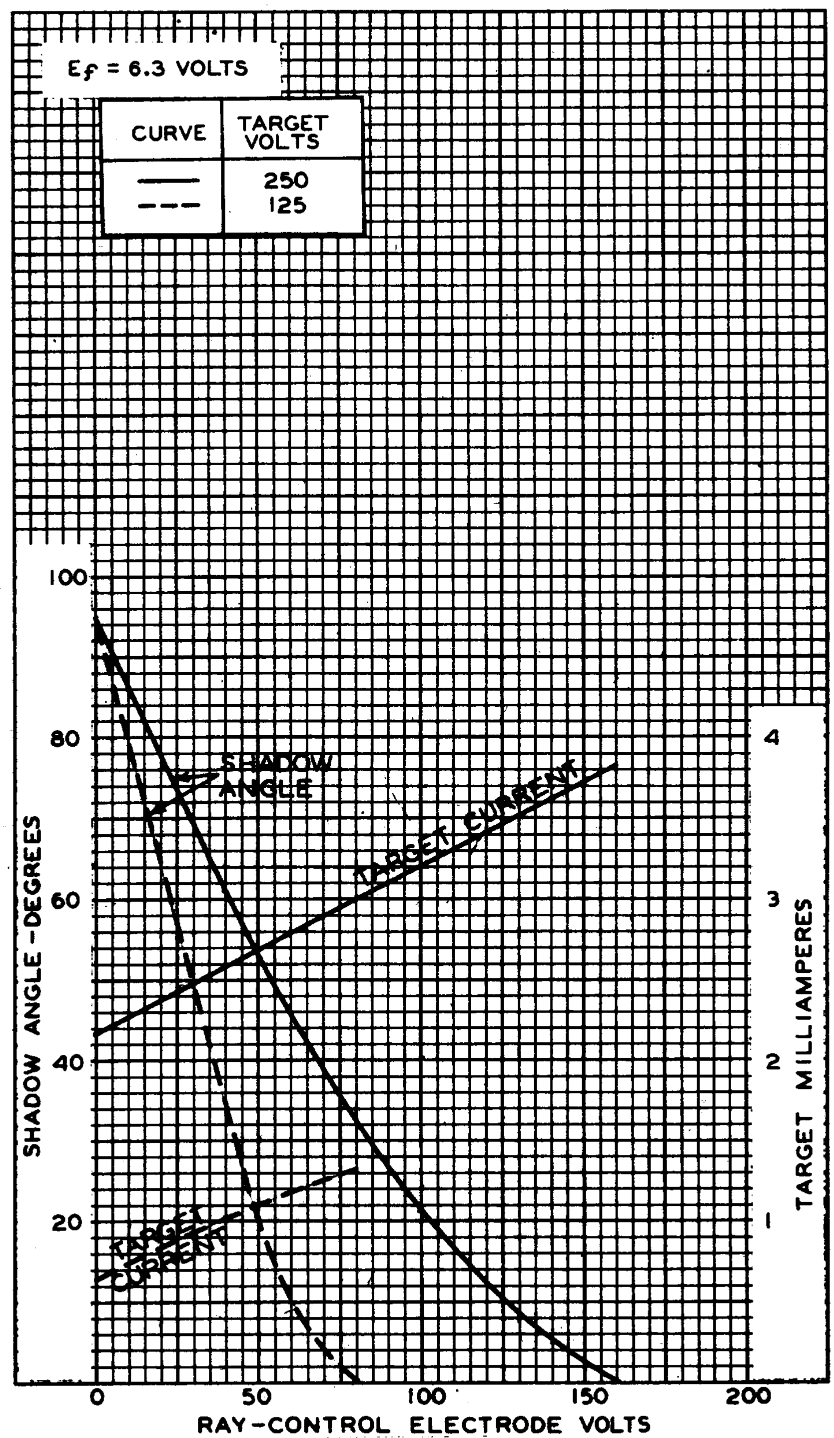
 ← Indicates a change.

RCA VICTOR DIVISION
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

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6AF6-G

AVERAGE CHARACTERISTICS



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